

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if known

Application Number	09/986,683
Filing Date	November 9, 2001
First Named Inventor	Jody J. SHAPIRO
Art Unit	2455
Examiner Name	Ismail, Shawki Saif
Attorney Docket Number	450100-04865

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
	1.	US-		
	2.	US-		
	3.	US-		
	4.	US-		
	5.	US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁴
		Country Code ³ -Number ² - Kind Code ² (if known)			
	6.				<input type="checkbox"/>
	7.				<input type="checkbox"/>
	8.				<input type="checkbox"/>
	9.				<input type="checkbox"/>
	10.				<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	11.	BEYSSAC P: "BANDWIDTH PING" [Online] 18 February 2003 (2003-02-18), INTERNET, XP002230332 Retrieved from the Internet: URL: http://www.cnam.fr/reseau/bing.html [retrieved on 2008]
	12.	STRAUSS J ET AL: "A Measurement Study of Available Bandwidth Estimation Tools" PROCEEDINGS OF THE 2003 ACM SIGCOMM INTERNET MEASUREMENT CONFERENCE. IMC 2003. MIAMI BEACH, FL, OCT. 27 - 29, 2003; [PROCEEDINGS OF THE ACM SIGCOMM INTERNET MEASUREMENT CONFERENCE. IMC], NEW YORK, NY: ACM, US, 27 October 2003 (2003-10-27), pages 1-6, XP002378475
	13.	LAI K ET AL: "MEASURING LINK BANDWIDTHS USING A DETERMINISTIC MODEL OF PACKET DELAY" COMPUTER COMMUNICATION REVIEW, ACM, NEW YORK, NY, US, vol. 30, no. 4, 1 October 2000 (2000-10-01), pages 283-294, XP01059986 ISSN: 0146-4833
	14.	
	15.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.